

**Notice of Allowability**

Application No.

10/775,851

Examiner

Anjan K. Deb

Applicant(s)

PONZIANI ET AL.

Art Unit

2858

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--**

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to amendment filed 4/3/2006.
2. ☒ The allowed claim(s) is/are 1-20.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some\* c) ☐ None of the:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.  
**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☒ CORRECTED DRAWINGS ( as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review ( PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
- (b) ☒ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date 20060530.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date \_\_\_\_\_
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☐ Interview Summary (PTO-413), Paper No./Mail Date \_\_\_\_\_
7. ☒ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other \_\_\_\_\_

  
**ANJAN DEB**  
**PRIMARY EXAMINER**

### **DETAILED ACTION**

1. This office action is in response to amendment filed 04/03/2006 in response to non-final office action filed 02/13/2006.

### **EXAMINER'S AMENDMENT**

2. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it **MUST** be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone message to examiner by attorney on record Mr. Greogory A. Welte on 6/9/2006.

The application has been amended as follows:

In the specification, paragraph [0037] line 2, insert after igniter --308 A—

In the specification, paragraph [0001] line 5, insert after 10/775,887, --now US Patent Number 7,015,698 B2 issued March 21, 2006--.

In the drawing, Fig. 19 A, added reference numeral 311 (see attached drawing correction).

### ***Allowable Subject Matter***

3. Claims 1-20 are allowed.

### ***Reasons for Allowance***

4. The following is an examiner's statement of reasons for allowance:

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The primary reason for allowance of the claims 1-8 is the inclusion of igniter in gas turbine engine comprising a holder into which the igniter is inserted and a coil mounted in the holder (see applicant's arguments page 10).

The primary reason for allowance of the claim 9 is the inclusion of apparatus for attaching an igniter to gas turbine engine comprising a base containing threaded bore and a coil attached to the base for detecting currents in the igniter (see applicant's arguments page 23 first paragraph).

The primary reason for allowance of the claims 10-15 is the inclusion of apparatus for attachment to an igniter for a gas turbine engine comprising housing having an internal aperture matching shape S, and within the housing an inductive pick-up and amplifier (see applicant's arguments page 27 and 28).

The primary reason for allowance of the claims 16-20 is the inclusion of an amplifier having no active elements, which amplifies signals produced by the pick-up (see applicant's arguments page 34 first paragraph).

The above limitations in the combination as claimed is novel and is neither disclosed nor suggested in the prior art considered individually or in combination.

### ***Conclusion***

5. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Masters (US 6,758,199 B2) discloses igniter 320 for gas turbine engine comprising inductive pickup 311 (Fig. 3A) or pickup sensor 470 (Fig. 4B).

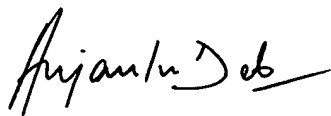
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McQueeney (US 6,850,070 B2) discloses apparatus for sensing spark in a plug comprising a coil mounted on the plug and circuit for detecting current in the coil (Fig. 3).

While the above cited prior art references disclose an inductive pickup or a coil and a circuit for detecting current in the coil for sensing spark none of these references teach or fairly suggest an igniter in gas turbine engine comprising a holder into which the igniter is inserted and a coil mounted in the holder.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Dr. Anjan K. Deb whose telephone number is 571-272-2228. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Diane Lee can be reached at 571-272-2399.



**Anjan K. Deb, PhD, PE (Electrical)**

Primary Patent Examiner

Art Unit: 2858

6/10/06

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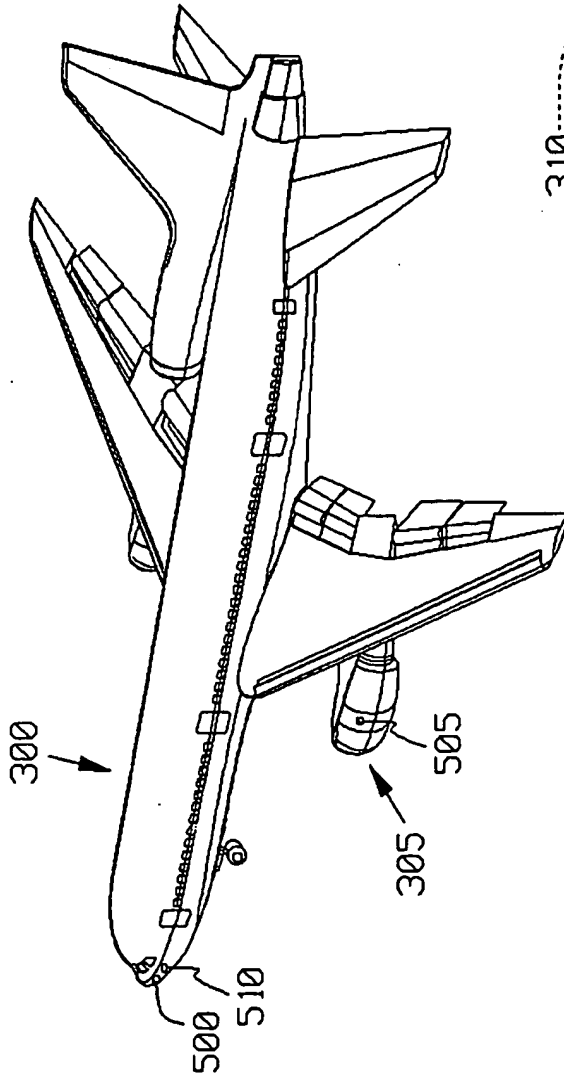


FIG 18

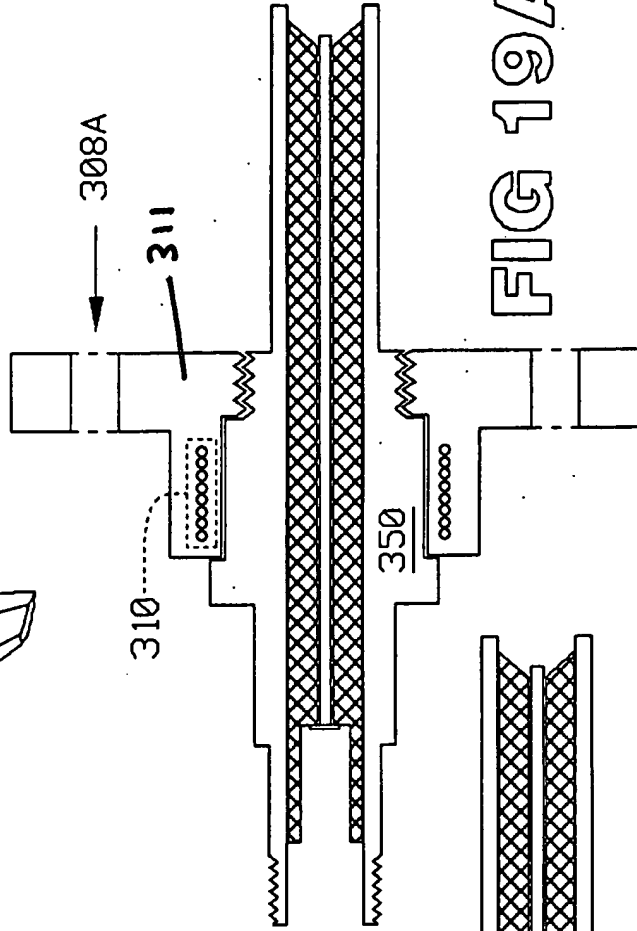
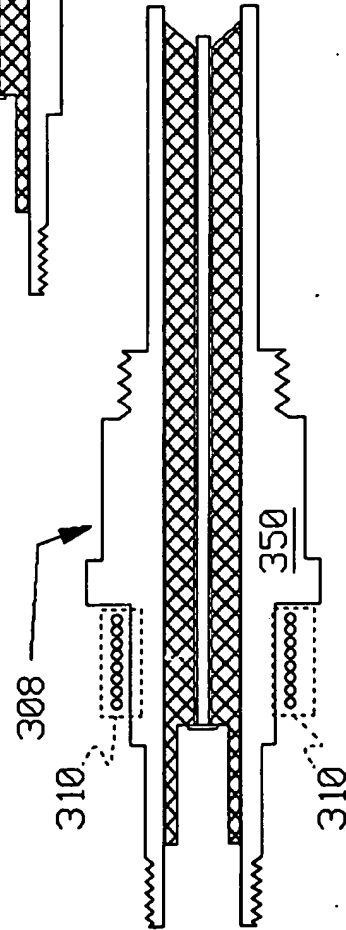


FIG 19

FIG 19A



Approved  
 A Deb  
 5/30/2006